

or output over a network that is connected to said computer, or over an externally connected bus that connects said computer with an external device;

an ID-information-identification means for identifying ID information from said input/output data for identifying a user;

a user-information-storage means for storing attribute information for all users having authorization to use said computer;

an attribute-information acquisition means for acquiring at least part of the attribute data corresponding to said ID information from said user-information-storage means;

a determination-rule-storage means for storing rules for determining whether said input/output data is invalid data;

an invalid-data-determination means for referencing said determination-rule-storage means, and determining whether said input/output data is invalid data; and

a notification means for notifying the terminal being operated by said user or administrator that the operation being executed by said input/output data is an invalid operation when it is determined by said invalid-data-determination means that said input/output data is invalid data; wherein

said determination-rule-storage means stores determination rules that correspond to user attributes; and

said invalid-data-determination means references said determination rules that correspond to attribute information acquired by said attribute-information-acquisition means to determine whether said input/output data is invalid.

ABSTRACT

For use in monitoring invalid data that causes a computer to execute an invalid operation, there is provided, an invalidity-monitoring program that can monitor input/output data sent to and received from not only a network, but also an externally connected device, and that allows a user

to set a variety of invalidity determination rules and apply an efficient rule. A data-acquisition unit (14) acquires input/output data, which is flowing on a network or an externally connected bus, and the ID of an operator. An invalid-operation-determination unit (15) determines whether an operation is invalid by acquiring attribute information on a user corresponding to the ID from a user-storage unit (12), by referencing a rule, corresponding to the attribute information from the rules stored in an invalidity-rule-storage unit (13) and defined for the respective user, and in addition, by referencing a rule that generally determines an operation as invalid regardless of the attributes stored in the invalidity-rule-storage unit (13). If it is found that the operation is invalid, an interruption-processing-execution unit (16) stops the processing to be executed by the operation.